

Docket No.: 1046.1206

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Satoshi KUROYANAGI, et al.

Serial No. 09/467,972

Group Art Unit: 2633

Confirmation No. 3079

Filed: December 21, 1999

Examiner: Reza Sedighian

For: OPTICAL PATH CROSSCONNECT SYSTEM WITH HIGH EXPANDING
CHARACTERISTIC

SUBMISSION OF DRAWINGS

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Technology Center 2600

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Included herewith are clean copies of Figures 6, 7, 11, and 15 corresponding to the changes to same requested in a Letter to the Examiner Requesting Approval of Changes to the Drawings filed concurrently herewith.

If there are any additional fees associated with filing of this paper, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date:

June 4, 2003

By:



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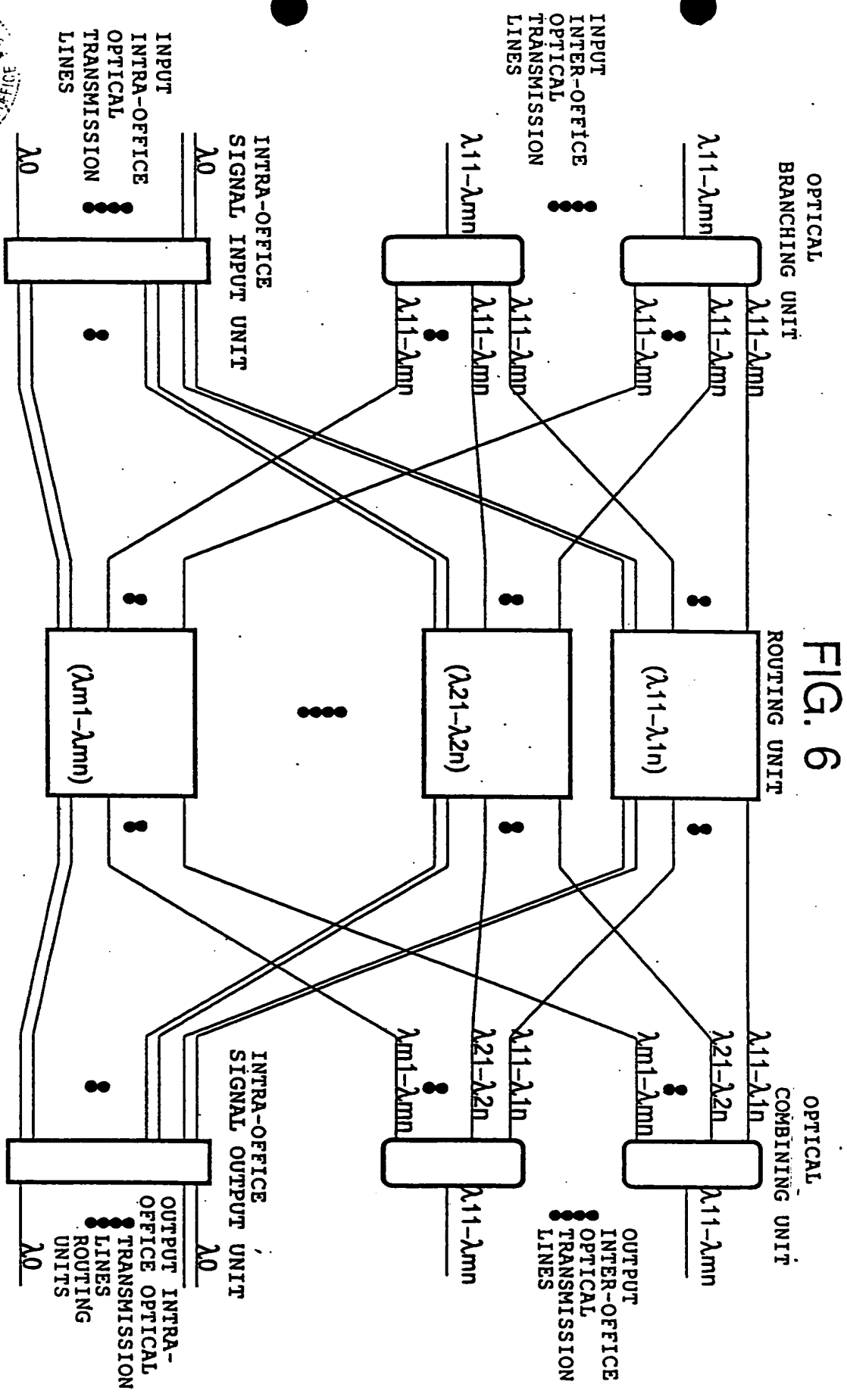


FIG. 6

※ SUBDIVIDED INTO "W" PIECES OF ROUTING UNITS
 ※ IN UNIT OF "N" WAVELENGTHS
 ※ PROVIDED WITH WAVELENGTH CONVERTER EACH OF THE RESPECTIVE

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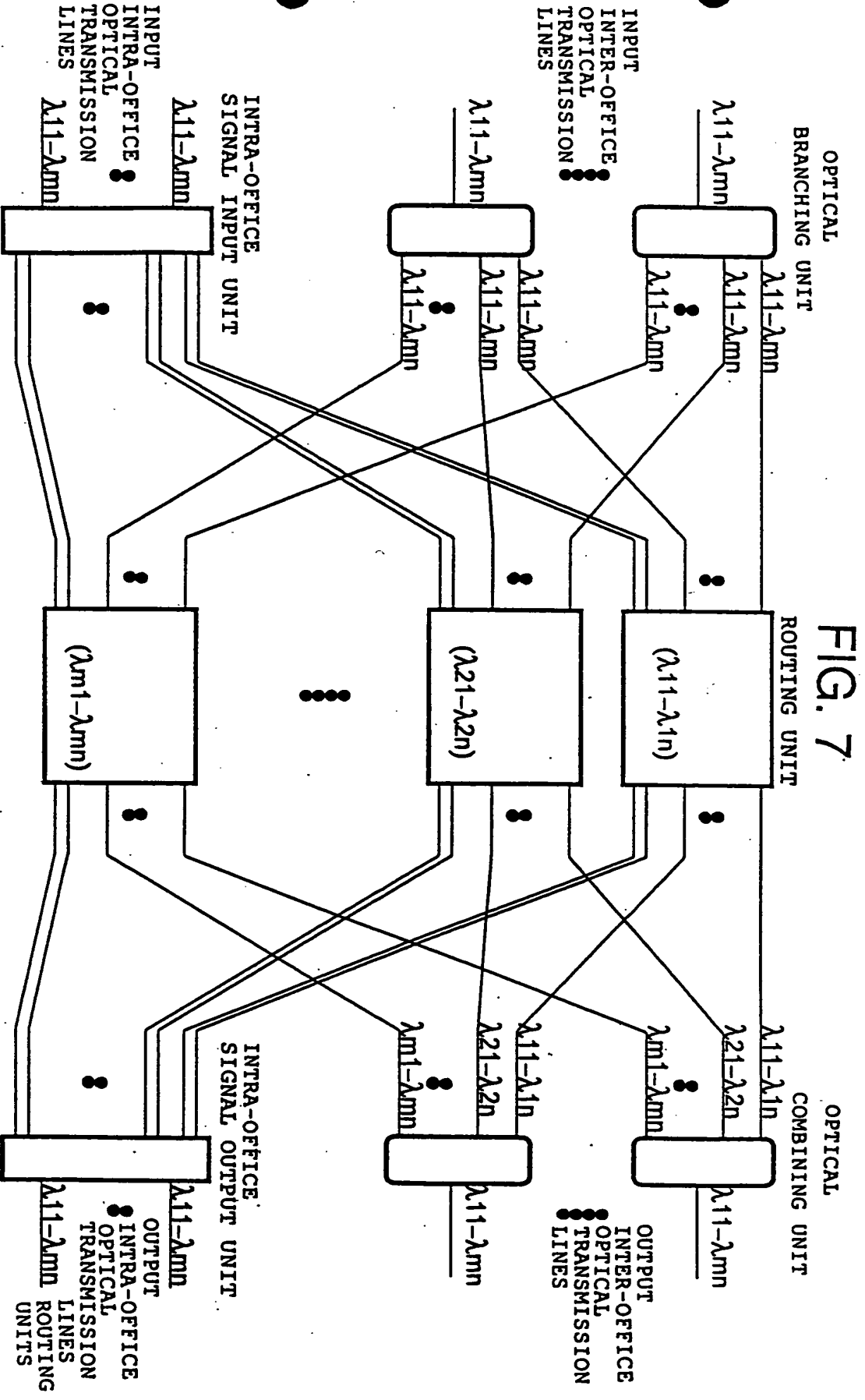


FIG. 7

※ SUBDIVIDED INTO "N" PIECES OF ROUTING UNITS.
 ※ IN UNIT OF "N" WAVELENGTHS.
 ※ PROVIDED WITH WAVELENGTH CONVERTER EACH OF THE RESPECTIVE

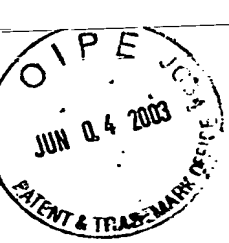
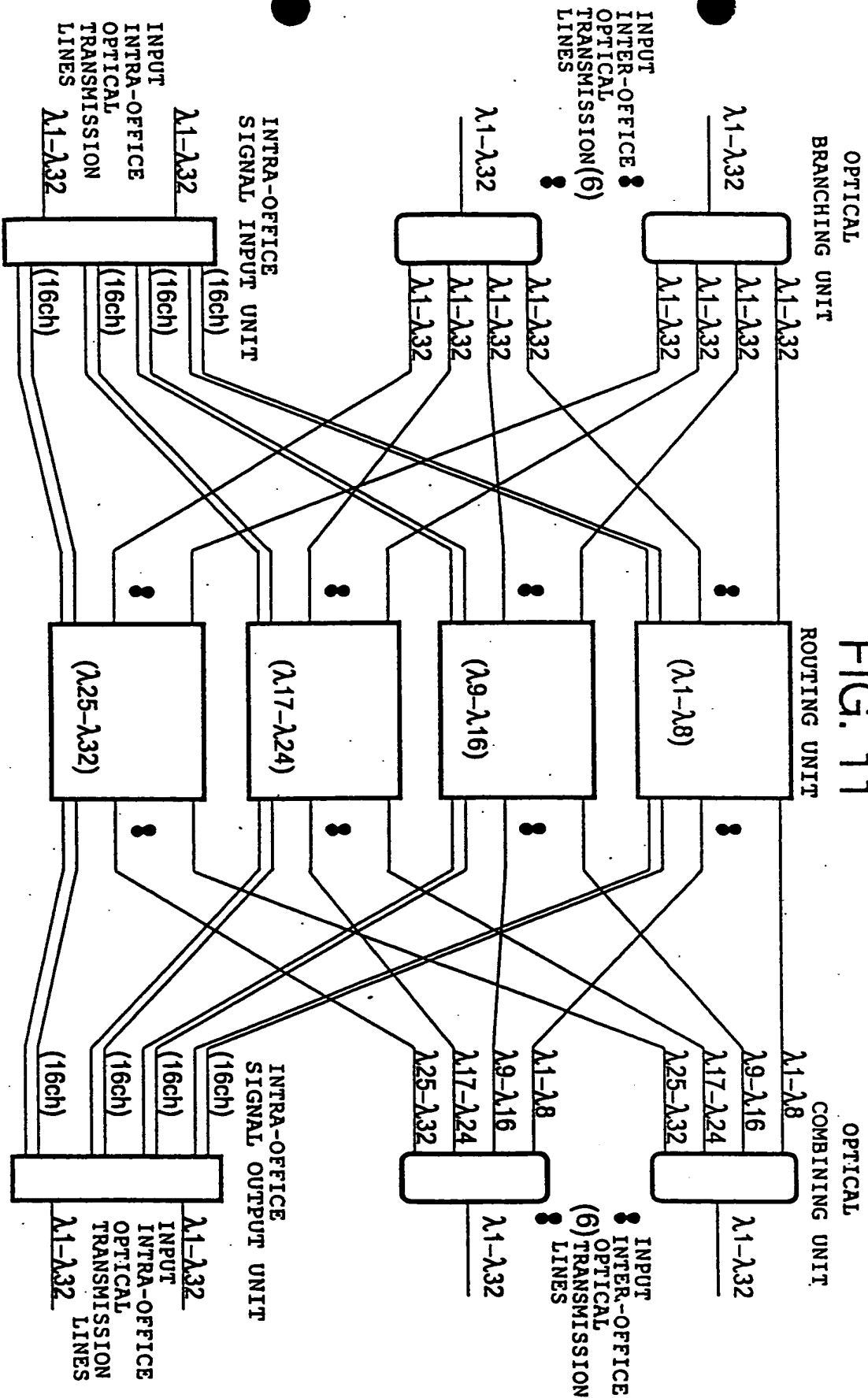


FIG. 11



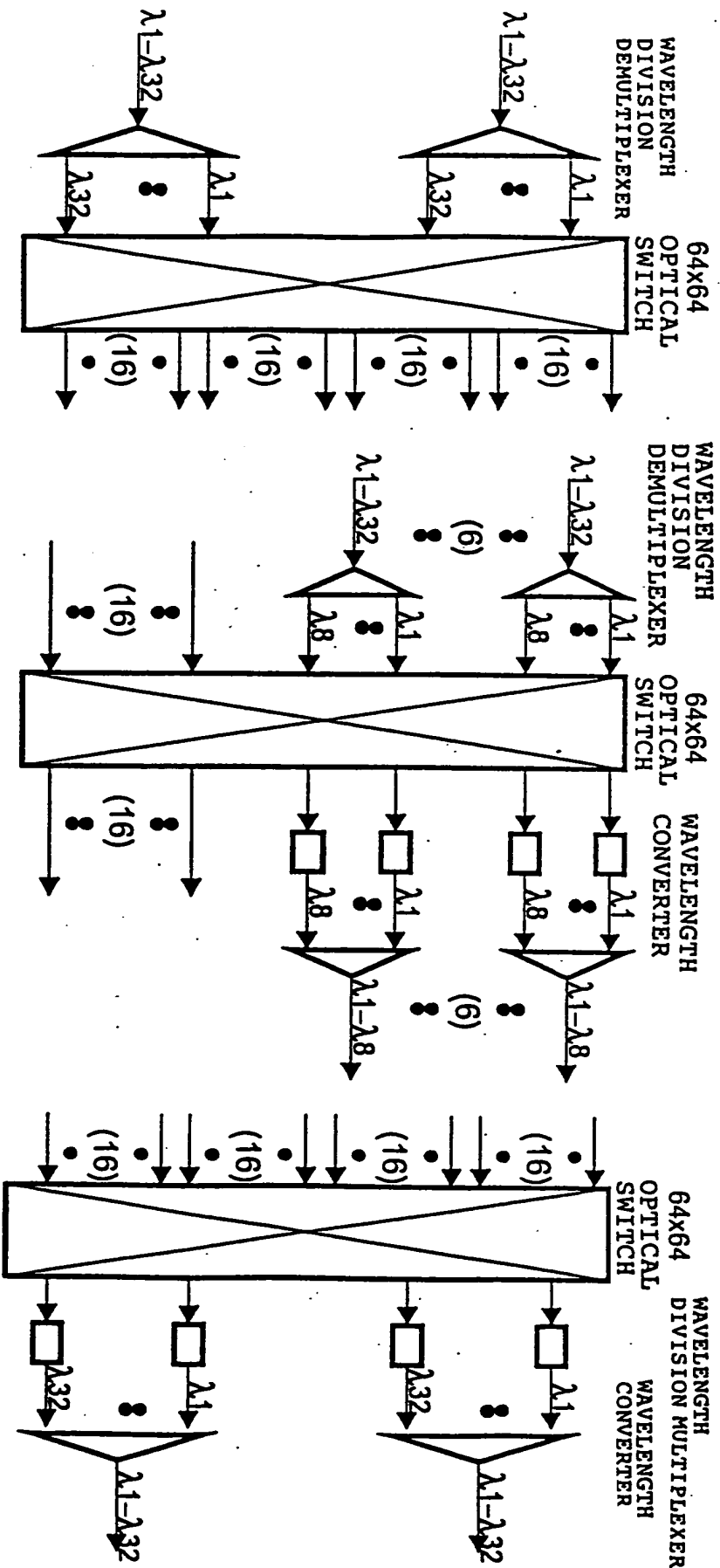
SUBDIVIDED BY 4 PIECES OF ROUTING UNITS IN UNIT OF 8 WAVELENGTHS

※ (WAVELENGTH NUMBER : 32)

※ INTER-OFFICE OPTICAL SIGNAL CHANNEL NUMBER : 192

※ INTRA-OFFICE OPTICAL SIGNAL CHANNEL NUMBER : 64

FIG. 15



✱ ROUTING UNIT FOR λ_1 TO λ_8

(a) INTRA-OFFICE SIGNAL
INPUT UNIT

(b) ROUTING UNIT

(c) INTRA-OFFICE SIGNAL
OUTPUT UNIT